

JUNIOR MASS MEETING CALLED FOR MONDAY

Technique, Tech Show and Track Crew Representatives Will Outline Plans for Festivities Next Week, in Smith Hall

WILL REHEARSE SONGS

The traditional Junior Week Mass Meeting will be held in room 10-250 Monday at 1.00 P. M. The gathering is called by William Banks '19, president of the Institute Committee, at the request of the Junior class. The purpose is to acquaint the student body with the order of events during the coming week and arouse enthusiasm among the men.

Representatives of each festivity will address the assembly concerning the activity that falls under their personal supervision. D. O. Mayer '19, editor-in-chief of Technique, will present the inducements for undergraduates to enter the Technique Rush, the traditions accompanying the event, and a short history of the incidents connected with it from former years.

L. M. Dalton '19, manager of the Combined Musical Clubs, will give an outline of the coming Spring Concert and Dance.

Ensign Hutchings '18 will speak on the Tech Show. Although Hutchings withdrew from the Institute to enter the service, he was placed here as an instructor in the Naval Aviation School and has found time to devote much energy to this year's show.

C. W. Drew '19, manager of the track team, will talk about the Annual Interclass Track Meet, while Loucks will speak briefly about the class crew races.

The Institute cheers and songs to be given at the Show will be rehearsed. It is surprising how few students, even many upperclassmen, know the college songs. Whenever there is an Alumni Reunion of any kind, the graduates fall into the songs and cheers with apparent ease, while at the student gatherings blank expressions spread over our faces and the men finally have to resort to the Tech Bible.

The Technique Rush is an activity in which every man should participate. There is probably nothing taking place in the Institute life of the undergraduate which will be remembered as long in after-life, if an active part is taken by the individual. Anyone should have a feeling of pride to attend the Prom with a mark of distinction received in the Rush.

The Junior Prom is doubtless one of the most pleasing and most important features of the year.

The Tech Show is annually attended by several thousand outsiders. It is the only activity in which the public takes a common pleasure with the undergraduates. It is one of the students' most important functions, for it is open for more undergraduates to take an active part than any other activity.

The Interclass Track Meet and the crew races are the only athletic events to be witnessed during the week and are the only attractions taking place during the forenoon.

Probably this Junior Week will be the first and last to be witnessed by many students, because of the uncertainty of the period of stay at the Institute caused by the extenuating conditions due to the war.

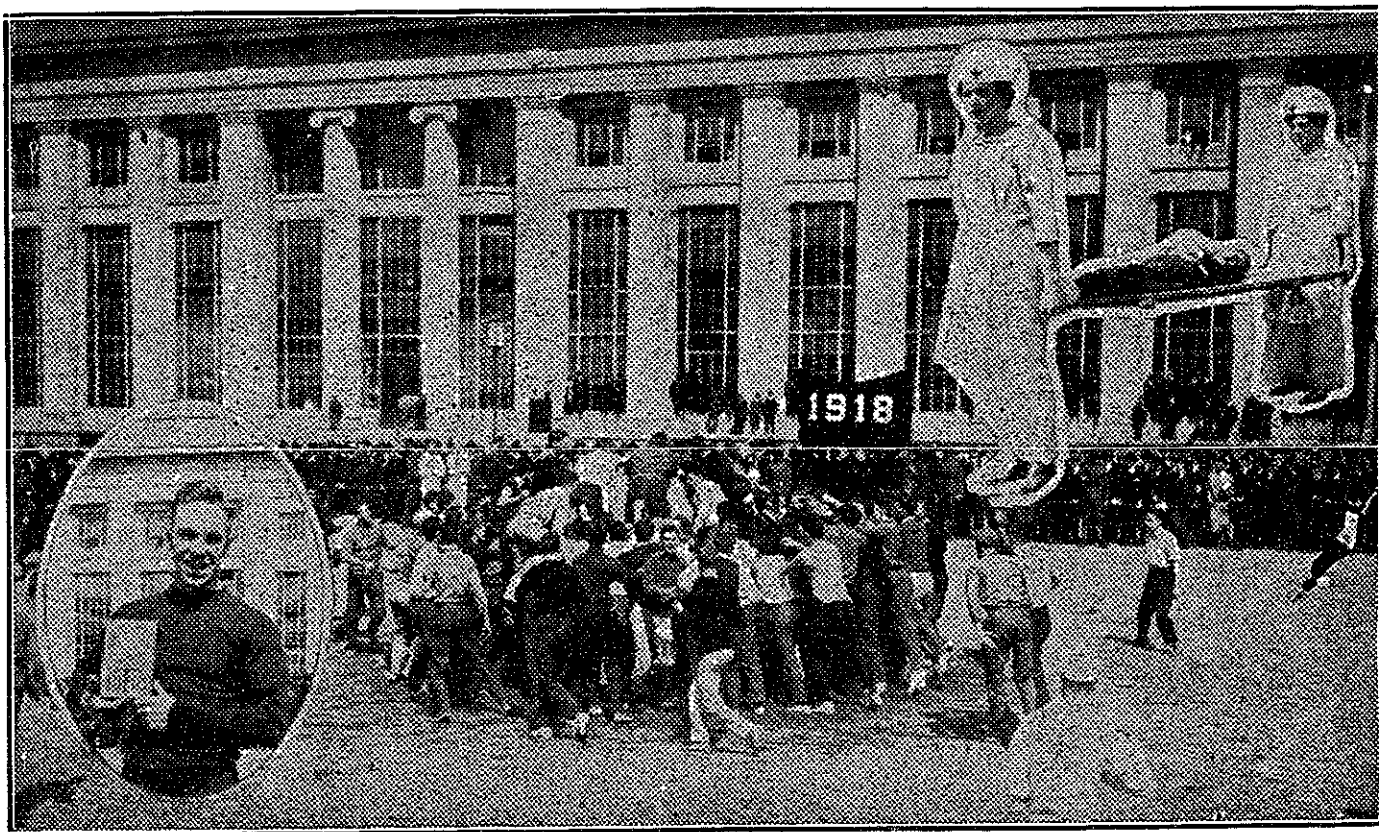
WRESTLING TEAM HOLDS DINNER AND ELECTIONS

Last Thursday evening fifteen members of the freshman and Sophomore wrestling teams held a banquet at the Hotel Napoli, E. P. Giles '18, presiding. After the dinner elections were held for next term and the following men were chosen: E. R. Smoley '19, captain; J. C. Deyete '20, manager; R. W. Barker, 21, assistant manager. Mr. Gracey outlined the program for the work of the ensuing year.

CHANGE OF DATE OF ISSUE

The next issue of The Tech will appear Tuesday morning instead of Wednesday.

Some Interesting Scenes and Winner of the First Book in Last Year's Technique Rush



SCENE OF FIRST RUSH IN MAIN COURT

One of the Victims (Upper Right Insert). Walter C. Wood 17, Winner of First Book (Lower Left Insert)

Arrangements for the Technique Rush, which is scheduled to usher in Junior Week, Tuesday at 1 o'clock, are rapidly nearing completion and those in charge of the event announce that this year's Rush will surpass any ever held before. Not only in the number of contestants expected to be much larger than that of last year, but it is also to be presumed that the casualty list will be correspondingly higher.

The same set of rules that has been used in previous Rushes will govern the one this year. Last year only one man was disqualified, after he had obtained one of the tablets. These tablets, which are contained in the shack, are representative of a copy of the 1919 Technique autographed by President MacLaurin. They are numbered, as well as made of unbreakable material, and immediately following the Rush they will be redeemed for the autographed copies, either in the Information office or in the Lobby, where the Show tickets are now on sale.

The Rush is open to all the men in school, no sign-up or contract being necessary. All that one has to do to enter is to appear on time at the Rush and signify his intention of participation. From past experience it is advisable to wear the oldest clothes obtainable, preferably foot-ball togs. There will be stretchers and Red Cross nurses galore to care for the injured and maimed, therefore contestants need not bring their private nurses along unless they care to do so. Contestants must wear soft-soled shoes.

The contestants are to form in front of the main entrance at 1 o'clock sharp. Before the hostilities begin there will be a parade of the various contingents around the Institute grounds and the main court, being headed by the famous Technique Band, otherwise known as the "Manufacturers of Jazz Music." This organization, comprised of well-known and respectable Technology students, can be safely vouched for as far as the quantity of music is concerned. Quantity not quality is the main qualification of membership. No introduction is necessary to this motley gathering of distinguished artists, who come from every walk of Institute life, from even the lowliest freshman to the mightiest Senior, since its performance on last Field Day, when it headed the mammoth parade, has never been equalled in past years.

(Continued on page 4)

SPRING CREW RACE

Shells to Start at Cottage Farm Bridge 4.30 Tuesday

On next Tuesday afternoon at 4.30 o'clock sharp the annual "Spring Interclass Crew Race" will be held over the regular course between the Cottage Farm Bridge and the Institute. Although the freshmen have practiced more faithfully than the upperclassmen, a very close race is expected because of the fact the latter have the experience of past years in their favor. The Junior, Sophomore and Freshman are the only classes to have a crew.

The start of the race will be at the Cottage Farm Bridge. The crews will row along the Cambridge side of the Charles and will pass through the third, fourth and fifth arches, from the Cambridge side, of Harvard Bridge and will finish in front of the eastern end of the Institute. The distance which will be rowed over is about a mile. The officials, Coach A. W. Stevens, Dr. A. W. Rowe, P. M. Dinkins '18 and P. W. Carr '19, will follow the race in the Harvard launch to officiate both at the start and finish.

Harvard has again offered the use of her shells and motorboat to Technology. The Institute has been very fortunate in having Mr. A. W. Stevens of the Boston Athletic Association for a coach. He has devoted a large amount of his time to put the men in shape for the race.

The position of the men in the Junior and Sophomore boats has not yet been definitely decided upon. The candidates from which the Junior crew will be chosen are as follows: Smoley, cox-

(Continued to page 4.)

Varsity to Meet Freshmen in Swimming Meet Tuesday

As a part of the Junior Week program, the Varsity and freshman swimming teams will engage in a meet at the Boston Y. M. C. A. tank Tuesday evening at 7.30 o'clock. This is the first time that there has ever been a meet between these two teams and it is the hope of the management to make this an annual affair and also a part of the every Junior Week celebration.

Many of the members of the Varsity team are freshmen, but for this meet they will form the 1921 organization. The Varsity entrants are Captain Untersee '19, A. C. Walker '18, A. S. Wales '19, and R. S. Bolan '19. Untersee will compete in the relay, the 50 and 100-yard swims. Bolan is entered in the 100 and 220-yard events and relay. Walker has entered the dives and relay, while Wales will take part in the 50-yard swim, the plunge and relay race.

For the freshmen the entrants are as follows: Captain Green, J. E. Shaw, O. H. Trowbridge, W. H. Young, Jr., R. H. Skinner, R. Lee and McGrath. The relay team will consist of Green, McGrath, Trowbridge and Young. Young and McGrath are entered in the 50-yard event. Lee and Young will hold up the freshmen's end of the plunge. Trowbridge and Green are scheduled to appear in the 100 and 220-yard races, while Shaw and Skinner will dive for the 1921 contingent.

Admission will be made by the student tax receipt or by paying some nominal fee. It is the hope of the committee in charge of the meet that there will be a large turn-out of Technology students at the tank to witness the meet. The 220-yard event should prove of great interest as the competition between Bolan and Green has been very keen all through the season.

SPRING CONCERT

Will Be Held at Hotel Somerset Wednesday, April 17

The annual Spring Concert and Dance of the Combined Musical Clubs will as usual be the opening feature of Junior Week, coming on Wednesday evening, April 17. Since the institution of the spring social week for undergraduate Technology, the entertainment of the Musical Clubs has been the first of the festivities.

The affair this season will start the week of pleasure with the spirit which, from past performances, will carry it through with success. This year's concert at the Hotel Somerset has, according to the management, been planned out to surpass those of former years in Copley Hall, and break all records toward being a lively and pleasant event. The general program is similar to that of Winter Concerts of the past two years, with a good assortment of new musical numbers, and special attention to the dance which lasts from ten to two o'clock. The size of the crowd is to be limited to five hundred, the capacity of the ball-room, in order to make it better for dancing. Due to the fact that fraternity reservations have been somewhat smaller this year than formerly, on account of the smaller number of house parties, tickets may yet be obtained at the Cooperative Society.

The leaders of the Clubs with Manager Dalton have planned an unusually "peppy" line of musical selections. These pieces were tried out with great success at the local concerts, the last of which was given in Salem. During

(Continued on page 3)

FINAL CAST CHOSEN FOR TECH SHOW 1918

Coach Duncan Pleased With Results of Rehearsal — Schedule for Northampton Trip Announced

DRESS REHEARSAL SUNDAY

Last Thursday's rehearsal was by far the best held up to the present time. The whole rehearsal went with snap and vigor from start to finish. Coach Duncan, who was present, declared himself highly pleased with the results. "In fact," said he, "I wish I had stayed away longer, you've been coming along so well. It's fine!" Whether it was Mr. Duncan's arrival or just natural development that brought on Thursday's results is an open question, but certainly it did go well. The choruses and numbers having all been definitely staged during the week, the rehearsal progressed from song to dialogue to finale with little interruption save to add a touch now and again. Fred Britton, who has been ill with the measles, was back again in his accustomed part. Several of the songs which had not been very well learned previously showed marked improvement, thereby making the work of the final truing up much simpler.

Aside from a number of minor changes which have made the play much more polished than before, the greatest improvement has come in the first act. It was originally intended to have the spring party at the Eta Beta Di house a strictly formal affair, but it was found that this tended to make too much full dress and formality in the Show. The present plan is to make the party informal, the girls keeping their evening gowns to be sure, but the men wearing white flannel. This will lighten the whole first two acts and give the play a lot more snap. Another change has been to shift Coldwell's specialty from the last to the second act where it fits in much more naturally and smoothly.

Little has been said lately concerning the costumes. These are now practically complete and have come out very well. Since there are not as many as last year it has been possible to concentrate attention on a smaller number with most excellent results. Although no costumes are to be worn till the dress rehearsal on Sunday, the chorus girls and certain members of the cast have been wearing their highheeled slippers right along to get used to them.

It is expected that there will be a rehearsal Saturday afternoon and another one Tuesday morning besides the dress rehearsal on Sunday and it is possible that there may be even more. The schedule for the Northampton trip, Thursday, April 18th, is as follows:

Train leaves South Station 7.05 a. m.
Train leaves Trinity Place 7.08 a. m.
Train leaves Springfield 10.15 a. m.
Train arrives Northampton 11.15 a. m.
Train leaves Northampton 12.00 midnight.

Train leaves Springfield 3.15 a. m.
Train arrives Boston 7.00 a. m.
Upon arrival in Northampton the actors are expected to get their lunch and report at the Academy of Music at 12.45 p. m. sharp for the first performance.

(Continued on page 3)

JUNIOR PROM ANNOUNCEMENT

Twenty Junior Prom sign-ups have not been redeemed. These are forfeited and are available to others who were unable to obtain them. Those men whose names are already on the waiting list will be given the preference. These tickets may be procured in the main lobby directly after the mass meeting on Monday. Dance orders will not be enclosed in leather this year but the girls will receive something in which to put their orders at the Prom. This step was taken owing to the decision of the finance committee to leave out all frills and devote any profits to the purchase of Liberty Bonds.

Spring Concert, April 17th, 8.00 p.m., at Hotel Somerset

The Tech

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Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. The Tech assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE THIS ISSUE

K. Roman '20.....Night Editor

SATURDAY, APRIL 13, 1918

WE MUST SACRIFICE

ALTHOUGH no actual canvas of the Institute is to be made for the purpose of obtaining individual subscriptions to the Third Liberty Loan, and instead each activity at Technology has been asked to buy as many bonds as is compatible with its financial position, Technology men, both alumni and undergraduates, must sacrifice to the limit in order that the present Loan may go "over the top" many times.

A little more than a year ago the United States was a country of divided opinions and populated with a people who cherished numerous and divergent interests. Then came the declaration of war. Today, after one year as an ally in the mighty struggle, America stands forth a nation with but one aim and one duty and its citizens are slowly but surely coming to realize the importance of this aim and this duty. We are approaching a unit in purpose and, in the fullness of time, we will be as one in action, a vigorous, concentrated action for the complete fulfillment of our purpose. We have sighted our goal and we shall reach it, but it will be a long, bitter struggle. The present drive of the German army in Picardy is an unpleasant example of what we will have to face. However, it is the truth and it is only with a complete knowledge of the truth that we can reach a swift culmination of the struggle. Our Allies, with a unity of desire and an almost complete concord of action, have been trying to smash Prussianism for nearly four years and have so far failed to gain a foothold on German soil. At present, Germany is apparently gaining even more territory to add to its conquered spoils. But this does not mean ultimate defeat; it merely shows that we are up against no slight task. We must sacrifice until we are thread-bare and then begin all over again. It will be well worth it!

As a part of this sacrifice the Liberty Loan is one of the most vital factors. In addition to man power necessary for the efficient development of our army and navy, there are many industries the fullest prosecution of which is every bit as essential to the winning of the conflict. And it is for the upkeep of these industries that a large part of the revenue collected through the Liberty Loan is expended. The work which the Liberty Loan accomplishes is less spectacular, it is true, than the heroic fighting of our soldiers in Flanders, but it is equally as patriotic and just as indispensable to the task before us.

THE CREW RACE

EVERYBODY on the Bridge or along the River Front, Tuesday at 4:30 for at that time will be staged one of the most interesting events of Junior Week, the inter-class crew race.

Rowing is a comparatively new sport at Technology, but is fast gaining popularity, and bids fair to become soon one of the most important branches of athletics. The rapid growth of interest in a crew is due to the proximity of the River, and to the growing realization among students of the splendid opportunities for exercise offered by rowing practice.

The Rowing Association has had a rather hard time getting on a sound basis. The expenditures have been high, and the income rather low. The authorities are awaiting the outcome of this race before giving larger appropriations to the Association; they will watch closely the interest shown by students in Tuesday's event.

Now is the time when rowing needs the support of every lover of a clean and manly sport.

Your attendance at the race next Tuesday will show your approval of the efforts of the men, and will guarantee future success to the crews.

INSTITUTE TRACK TEAM IN MEET WITH AVIATORS

This afternoon at 3:30 o'clock, the Technology track team will compete against the track team which has been organized among the students of the United States Naval Reserve Forces who are now stationed at the Institute. This meet is the first outside contest of the season and will well show the strength of the Institute athletes, because they are competing against a collection of the best amateur track men in the country. The Naval Aviation Detachment at the Institute is made up of many athletes from colleges and schools scattered over the East, several of whom are holders of intercollegiate records. The members of the naval track team have been assigned to a section of the track house, which they are using as a locker room, and have practiced on the Institute athletic field in preparation for this meet.

The meet today will give the management of the team a good idea of the strength of their team and allow them to pick the best men for their future contests. Capt. Herzog '18 is expected to win the mile, while McMahon and Halfacre are promising in the two-mile event. Carpenter and Stone have both made a good showing in the mile and are expected to place in that run. Bards, Bawden, Brickett, McCarten, and Westland have all shown up well in the 880 yard dash, while Avery, Bards, Bawden, Conant and Orman will probably run in the quarter-mile event. Bosser, Junod and Wilson are the most promising in the shorter dashes. Hurley, Mills and Sheldon have all made a good showing in the hurdles. Avery is the star of the broad jump, with Peirce a second contender. Sheldon continues his good work in the pole vault and Peirce is the support in the high jump. The weights are being handled by Buckley, Drew and Kellar.

The events of the dual meet are as follows: 100-yard dash, 220-yard dash, 440-yard dash, 880-yard dash, one and two mile, high and low hurdles, high jump, shot put, hammer throw, pole vault and discus throw.

For the benefit of the members of the Institute track team who will not compete in the dual meet, a handicap meet will be held this afternoon at 1:30 o'clock at the athletic field. By a good showing in this meet an opportunity will be given to track aspirants to show their ability and make a place for themselves on the varsity track team. Sign-ups for the handicap meet are being received at the track house.

The annual interclass track meet will take place on Friday morning, April 19, at 10:30 o'clock. Entries for this meet should report at the track house to Mr. Kanaly and hand in their names as participants in the events which will be held on that day. The class teams will be immediately organized and put into a short stiff training for the Friday meet. The meet will be held in the athletic field, and the admission to the events will be free.

The dual meet is the opening event of the Technology spring track season. Other meets having been arranged with Eastern colleges, among them Cornell and Brown. The dual and handicap meets will give the management a good opportunity to pick a strong team to compete against the Cornell men, who are said to have a team this year which is fully as strong as the victorious one of last year. Coach Kanaly has expressed the wish that more men would come out for the field events, especially the shot put and discus throw.

THE APRIL MONTHLY

The April issue of the Technology Monthly, which will appear the first of Junior Week, will contain many interesting features.

The first part of the book will be devoted to the Tech Show and will contain pictures of this year's cast; pictures which will appear in the Monthly only.

Beside a serious article by Harrington, author of the Show, there will be a humorous article in which side lights will be thrown on the rehearsals. These side lights are written by a member of the Show.

There are several pages of cartoons, jokes, and pictures.

All technical articles will be omitted, and the place usually occupied by such articles will be filled with interesting stories; some of them pertaining to Junior Week.

The series of talks on hydraulic pressure that are being run on page 3 each week by The Hydraulic Press Mfg. Co., Mount Gilead, Ohio, are worthy of the close attention of every reader of The Tech. The complete series gives a condensed but comprehensive outline of the essential facts pertaining to hydraulic pressure.—Adv.

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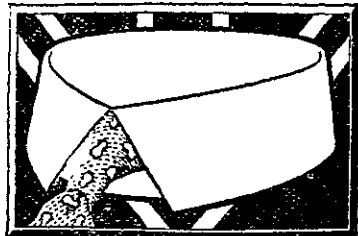
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TECH SHOW 1918

(Continued from page 1)

For the Boston performances everyone is expected to be at the Opera House at 12.45 p. m. sharp for the afternoon performance and at 6.45 p. m. for the evening, Saturday April 20th. Whether the time scheduled to report at the theaters applies to the Orchestra is not yet certain, but members of the Orchestra should find out from their manager as soon as possible. At any event it does not apply to the cast, chorus and ballet. Probably the time for reporting at the Academy for the evening performance will be also at 6.45 p. m. Those who are going to Northampton cannot afford to miss the train as it is the only one which will get them there in time for the Show. All men connected with the Show who have not already received copies of the above schedule will please cut this out and put it in their pocket-book. The personnel of the Cast, Chorus, Orchestra and ballet as it finally stands is as follows:

CAST

Jack Wilder, the hero (a senior at Tech) Elliott D. Harrington '18
Artie Choke, his irrepressible pal Charles J. Parsons '19
Mr. James P. Barnes of New York Christopher B. Nelson '21
Helen Barnes, his daughter (in love with Jack) Kenneth F. Akers '20
Mrs. James P. Barnes Robert M. Felsenthal '21
Percy Pierce, Jack's rival, Edward W. Booth '21
Gus Barnett, Percy's friend and accomplice, Francis O. Wyse '19
Pussy Willow, a little surprise, Frederick S. Britton '19
Mrs. Willow, a Quaker (Pussy's mother) James J. Wolfson '20

SPRING CONCERT

(Continued from page 1.)

these trips the members of the clubs have had experience which will be evident in making the Spring Concert the best ever. The Glee Club has been fortunate this season in obtaining good men, and the organization is above the usual standard of college clubs. The instrumental work need not be further praised. All those who heard the Wellesley concert on Washington's birthday can vouch for the unusual ability of the banjoists. The quartette numbers of the three clubs have been omitted, because of the lack of very good talent in the individual line. The

Ambrose Lovely, Barnes' secretary, Sherman A. MacGregory '18
Kanakoko, Barnes' Japanese valet, Trevor Davidson '21
Jackson, butler at the Eta Bitten Di house Philip A. Nelles '20
Red Cap, a master of life's ups and downs, Hemy G. Dooley '20
Premier Danseuse John S. Coldwell '19

CHORUS

Boys—H. Howland Fisk '19, Erwin R. Hermann '21, Donald A. Robbins '21, Marshall E. Pridmore '21, A. Warren Norton '21, Chester C. Stewart '19.
Girls—C. Coleman Carven '21, Bradford J. Clark '20, John W. Church '21, Lawrence H. Burnham '20, Sanford J. Hill '21, Dwight E. Stagg '21.

BALLET

Witch, Philip S. Brown '20, Princess, K. Dixon '21, Nymphs, Waldo Adams '21, L. Willis Bugbee, Jr. '21, John W. Friery '18, W. L. Chaffin '20, Ralph R. Lewis '21 and Eaton Webber '19.

ORCHESTRA

First violins, Karl Bean '20, Erstine D. Lord '20, Herbert H. Reinhard '21, Theodore Shedlovsky '19, Max Goldberg '21, Abram E. Watov '21, William Hedlund '20; second violins, L. Newton Brown '21, Carole A. Clarke '21, J. D. Harvey '21, Henry Kurth '21, R. M. Raphael '21, George R. Jamieson '21; viola, Donald W. MacArdle '18; cellos, Kenneth Bates '21, Harold Bugbee '21, J. J. Murphy '21, Edgar F. K. Seifert '19; cornets, G. E. Farmer '21, Donald B. McGuire '20, John W. Shephard '21; piano, Aaron Tushin '20; flutes, Kendrick P. Coachman '21, Howard M. Forbes '21; clarinets, Albert E. Smith '21, P. Cornelius Dirksen, Jr. '21; trombones, Willard A. Case '21, Nathan H. Sanderson '21; drums, Jay H. Quinn '21; horns, E. W. Sherman, Jr. '21; Phil R. Thompson '20, Manager

numbers are selections by the clubs and specialties. The best of the novelty stunts is Harrington's Jazz Band of eight musicians, each capable of "blowing his own horn" or playing in harmony. This octette proved a great success a week ago at the Camp Devens Concert. The xylophonist, C. T. Procter '20, will have new selections to offer. To satisfy the demand for a reader the clubs have obtained L. W. Conant '21, as a speaker for the concert, and his experience guarantees that he will make a hit.

The dance will follow the concert immediately, starting shortly after ten o'clock. The dance music will be furnished by Bert Lowe's Orchestra. This



ANNOUNCEMENT

A series of short practical talks on the application of hydraulic pressure will occupy this space in THE TECH once each week for fifteen weeks. Essential parts of hydraulic equipment will be illustrated and briefly described and representative hydraulic presses shown so that the complete series will give the reader a fairly comprehensive idea of the present development and extensive application of this important branch of hydraulics.

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orchestra has been much in vogue for several seasons at Technology functions, and it is the best obtainable for such an event as the Spring Concert. Seven of the fifteen musicians play alternately two instruments giving a considerable variation to the music.

The list of pieces includes all the latest selections from the New York musical shows. There will be twenty dances on the programme, all of which will be played with no extras. The usual system of finding partners will be used, the letter booths being arranged around the ball-room. A man will meet those with whom he has exchanged dances at his own stand when their names come after his, and at their stands when their names come before his own in the alphabet.

The concert will begin shortly after eight o'clock, and no reservation can be held after that hour. Supper will be served during intermission at midnight. The price of the ticket, two dollars, includes the war tax.

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DEAN ALBERS OF BOSTON UNIVERSITY TELLS CHEMICALS "STEADY DOES IT"

Mr. Haddock of the Cambridge Gas and Coke Company Describes Various Methods of Gas and Coke Production

Homer Albers, Dean of the Law School of Boston University, entertained the members of the Chemical Society last Tuesday evening with an extremely interesting address, much of which was concerning his own experience in judicial affairs. In addition to the address by Dean Albers, Mr. Haddock, of the Cambridge Gas and Coke Company, outlined the methods used by his company for the production of gas and coke. Mr. Haddock's talk was for the purpose of giving the Society a general idea of how gas works are operated, in order that the members might devote more of their time to a study of the details of gas plant operation when they visited the Cambridge Works yesterday afternoon.

The whole of Dean Albers' speech was interspersed with numerous witticisms culled from his courtroom experiences, many of the jokes being about men prominent in law circles. The men who attended the meeting were kept in constant laughter at these sallies, especially the Southern anecdotes, which were worthy of a professional humorist. In concluding his address, Dean Albers urged the men to "keep steady," for although it is a big task to successfully prosecute the war, it can be accomplished if we all do our part patriotically and with a dogged determination.

In further reference to the war, the Dean said, "I was sure at the early stage that it was not an easy job, but, gentlemen, I am just as sure today that we are not whipped, not even on the

Continent. Keep steady. Use your judgment and your reason even more than either your desire or your passion. 'Steady does it' is almost an Anglo-Saxon maxim. Don't get into a panic of either desire or discouragement. Nearly any job that is worth doing is difficult, but any job that ought to be done can be done. Let us go on and do it swiftly, bravely, but calmly; not in a rage, nor in hysteria. People do not think well when they are in hysterics. Let us see that we keep our heads cool and our eyes on justice; demanding that which is just and no more. The world has been brutally and outrageously treated by Germany, and the world ought to do everything in its power to see that such things shall never again happen, but I have no great use for the man who wants merely to punish Germany. Some punishment is, of course, an incident of justice. 'Vengeance is mine, I will repay,' saith the Lord."

"I have much admiration for the English officer who was asked by an hysterically patriotic countryman, 'Why don't you bombard Cologne Cathedral?' 'What!' said he, 'Do you want us to go down in history as trying to match the Germans in barbarism?'"

"To get justice from Germany is a big task, but if we stick to it, calmly and with reason as well as determination, we will get it."

"Incidentally, I wonder if we cannot learn something for our individual selves, for our individual benefit, out of Germany's misconduct; namely: that an excess of a good thing may be a bad thing. The German people have exalted patriotism into a fetish or a god, forgetting that above and over all countries there is the kingdom of the only true God, and that God rules by righteousness and love. Every other virtue apparently is, in their mind, subordinated to patriotism:—patriotism carried to such an excess that all people, all rights, all institutions, all countries, must be trampled upon for the exaltation of their monstrous perverted patriotism. Let us see to it that we do not exalt some of our own virtues until they, too, become vices."

"In other words, again, I repeat, even as to this, keep steady. Steady does it."

Following Dean Albers' speech, Mr. Haddock briefly reviewed the necessary processes of the production of gas and coke. Mr. Haddock's company manufactures two kinds of gas, coal and water gas. These gases are the products of the destructive distillation of soft coal, accomplished in huge furnaces. The soft coal is made up largely of volatile matter, the greatest part of which is combustible, and when burned in these furnaces with a very limited supply of air, practically all of the inflammable volatile matter is driven off in the form of gases, which contain much carbon monoxide. Such gases have large commercial value not only as illuminants but also in a great variety of industrial uses. The illuminating gas supplied in Cambridge is made up of about thirty-three per cent of water gas. After the heating process has been carried to completion in the furnaces, it is stopped and the coal, now in the form of coke, is removed. On account of its high heating value, the coke is useful in many operations.

In addition to those already enumerated, there are several other important by-products of the furnaces. Approximately twelve gallons of coal tar and heavy petroleum oils are obtained from every ton of coal. These heavy oils have almost unlimited possibilities, such as in the manufacture of dyestuffs and explosives, and they are especially valuable at the present time. Quite a considerable amount of toluol is also recovered. This can be used for the production of the recently discovered high explosive, trinitrotoluol. Besides, each ton of coal produces 11,000 cubic feet of gas.

CREW RACE

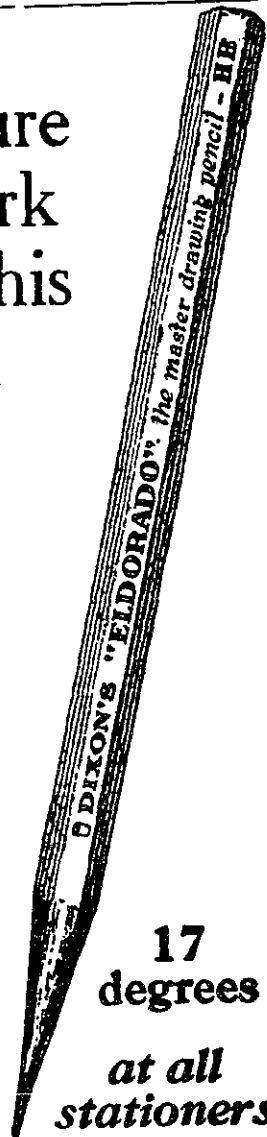
(Continued from page 1)

wain; Hacket, stroke; Captain Untersee, Murdough, Falkenberg, Sherman, Doten, Webber, McIntosh, Stowas, Ames, Weiskettle, Webster and Michaels. The freshman eight has not yet been picked either, but the following men have shown up well: Captain Thulman, Lee, Lloyd, Leslie, Merrill, Jackson, Klier, Jakobson, Northrop, Schmidt, Brown, Hinder and Hauber. Davidson and Sandberg are out for the coxswain's position.

The freshmen this spring have a heavier eight than last fall, and many marked improvements have taken place.

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TECHNIQUE RUSH

(Continued from page 1)
A call for candidates will be made during the last part of this week and all students who possess an instrument which is capable of making noise are urged to try out for the band.

Arrangements have been made by the officials of the affair to erect several stands in the main court for the convenience of moving picture operators, as several are expected to be present to film the Rush. Work on these will start the latter part of this week. The space enclosing the shack, which is a portable building of heavy truss framed sides and roof, and which has in it one small window large enough for part of one person to get into, will be roped off and no one except the contestants will be allowed inside the ropes.

After the Rush, the Techniques will be placed on sale, and the full amount, \$2.75 including the 75c. already paid, must be remitted before the books can be secured. The Technique management suggests that since there is a big rush for the books after the Rush and a big line forms, that it would save considerable time for both the board and subscriber if the full amount were paid now. This money may be handed in at the Technique office every day between 1.30 and 2.00 o'clock.

NOTICE

The Circulation Department of The Tech requests readers to send in a few copies of Number 17, Volume 37, in order that complete files of that volume may be obtained.

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